WHAT IS CLAIMED IS:

- 1. An exposure apparatus having an exposure mode that transfers a pattern on a reticle onto an object, and a standby mode that waits for exposure, said exposure apparatus comprising:
- an optical system for introducing the
 exposure light to the object in the exposure mode; and
 a mechanism for allowing the exposure light
 to enter the reticle and/or the optical system in the
 standby mode, and for preventing the exposure light
 from entering the object in the standby mode.
- An exposure apparatus according to claim 1,
 further comprising a light source that emits the exposure light in the standby mode.
- An exposure apparatus according to claim 1,
 wherein the exposure light is extreme ultraviolet light
 having a wavelength of 20 nm or less.
 - 4. An exposure apparatus according to claim 1, wherein said mechanism includes:
- an absorption member that absorbs the 25 exposure light;
 - a drive mechanism for driving said absorption member between a first position on an optical path of

the exposure light, and a second position apart from the optical path of the exposure light; and

a controller for controlling driving by said drive mechanism so that the absorption member absorbs the exposure light in the standby mode.

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- 5. An exposure apparatus according to claim 4, further comprising a projection optical system for projecting the pattern onto the object, and wherein the first position is located between said projection optical system and the object.
- 6. An exposure apparatus according to claim 1, further comprising a stage for movably supporting the object, wherein said mechanism includes a drive mechanism for driving the stage to move the object to a position apart from an optical path of the exposure light.
- 20 7. An exposure apparatus according to claim 6, wherein said mechanism further includes:

an absorption member that absorbs the exposure light, said absorption member being driven by said drive mechanism between a first position on an optical path of the exposure light, and a second position apart from the optical path of the exposure light; and

a controller for controlling driving by said drive mechanism so that the absorption member absorbs the exposure light in the standby mode.

- 5 8. A chuck that fixes an object to be exposed, onto which a pattern on a reticle is exposed, said chuck comprising a contact part that contacts and fixes the objects, a contact ratio of the contact part being 20 % or smaller on a surface of object which contacts the contact part.
 - 9. An exposure apparatus for exposing a pattern on a reticle onto an object, said exposure apparatus comprising a chuck for fixing the object, the chuck including a contact part that contacts and fixes the object, wherein a contact ratio of the contact part is 20 % or smaller on a surface of object which contacts the contact part.

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10. A standby method for waiting for exposure that transfers a pattern on a reticle onto an object absorbed by a wafer chuck through exposure light and an optical system, said method comprising the steps of:

irradiating the exposure light to the reticle 25 and/or the optical system; and

shielding the object from the exposure light during said irradiating step.

- 11. A method according to claim 10, wherein an optical path of the light is maintained in an atmosphere under vacuum or reduced pressure.
- 12. An exposure method that illuminates a pattern formed on a reticle and transfers the pattern onto an object absorbed by a wafer chuck through an optical system that includes an optical element, said step comprising the steps of:
- determining whether temperatures of the reticle and/or the optical system are in steady states; and

irradiating the exposure light onto the reticle and/or the optical system while preventing the exposure light from entering the object, when said determining step determines that the temperature distributions are not in the steady states.

13. A device fabrication method comprising the 20 steps of:

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exposing an object with by using an exposure apparatus; and

developing the object that has been exposed,
wherein the exposure apparatus has an
exposure mode that transfers a pattern on a reticle
onto the object, and a standby mode that waits for
exposure, said exposure apparatus including:

an optical system for introducing the
exposure light to the object in the exposure mode; and
a mechanism for allowing the exposure light
to enter the reticle and/or the optical system in the
standby mode, and for preventing the exposure light
from entering the object in the standby mode.

- 14. A device fabrication method comprising the steps of:
- exposing an object by using an exposure apparatus; and

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developing the object that has been exposed,
wherein the exposure apparatus that exposes a
pattern on a reticle onto an object, and includes a
chuck that includes a contact part that contacts and
fixes the object, a contact ratio of the contact part
being 20 % or smaller on a surface of object which
contacts the contact part.